



PATENT

Attorney Docket No.: A-67498-2/RMS/DCF

Attorney File No.: 469249-397

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

CHEE

Serial No. 10/648,848

Filing Date: August 21, 2003

For: *Combinatorial Decoding of Random
Nucleic Acid Arrays*

Examiner: Not Yet Assigned

Group Art Unit: Not Yet Assigned

CERTIFICATE OF MAILING

I hereby certify that this correspondence, including listed enclosures, is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450:

Dated: December 16, 2003

Signed: 
Brent Yonchara

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO/SB/8A. Copies of these references are enclosed.

Further, Applicant wishes to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO-1449 marked with an asterisk (*), previously disclosed in the following related U.S. Application: Serial No. 09/574,117, filed May 19, 2000, (now Patent No. 6,620,584, issued September 16, 2003), upon which the instant application relies for its priority date under 35 U.S.C. § 120. No copies of these references are enclosed.

Serial No. 10/648,848
Filing Date: August 21, 2003

None of the foregoing references are believed to disclose the invention as claimed.

Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application.

Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

As far as is known to the undersigned, this Information Disclosure Statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national state in an international application, or before the mailing date of a first Office Action on the merits as set forth in 37 C.F.R. § 1.97(b), and therefore no fee is required.

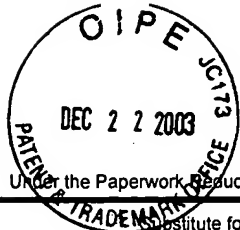
While no further fee is believed to be due, if this belief is in error, the Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2319 (Our Order No. 469249-397 (A-67498-2/RMS/DCF)).

Respectfully submitted,
DORSEY & WHITNEY LLP

Dated: December 16, 2003
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Dorsey & Whitney LLP
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Robin M. Silva, Reg. No. 38,304
Filed under 37 C.F.R. § 1.34(a)

Attachments : Form PTO/SB/8A, Substitute for form 1449
16 cited references
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/648,848	
			Filing Date	August 21, 2003	
			First Named Inventor	CHEE, Mark	
			Group Art Unit	Not Yet Assigned	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	6	Attorney Docket Number	A-67498-2/RMS/DCF (469249-397)

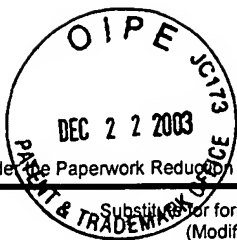
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1 *	4,200,110	04-29-1980	Peterson et al.	
	A2 *	4,499,052	02-12-1985	Fulwyler	
	A3 *	4,682,895	07-28-1987	Costello	
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	A5 *	4,822,746	04-18-1989	Walt	
	A6 *	4,824,789	04-25-1989	Yafuso et al.	
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet **2** of **6**

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U.S. PATENT DOCUMENTS

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	A36 *	5,604,097	02-18-1997	Brenner	
	A37 *	5,633,972	05-27-1997	Walt et al.	
	A38 *	5,639,603	06-17-1997	Dower et al.	
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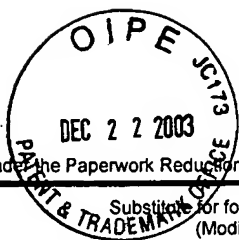
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	B1 *	EP 0 269 764 B1	06-08-1988	Molecular Biosystems Inc.		

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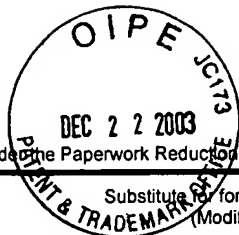
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	B2 *	EP 0 392 546 A3	10-17-1990	Ro Inst Za Molekularnu Genetik		
	B3 *	EP 0 478 319 B1	04-01-1992	Tokyo Shibaura Electric Co.		
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	B23 *	WO 99/67414 A1	12-29-1999	Glaxo Group Ltd.		
	B24 *	WO 99/67641 A2	12-29-1999	Illumina, Inc.		
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	B28 *	WO 00/39587 A1	07-06-2000	Illumina, Inc.		
	B29 *	WO 00/47996 A2	08-17-2000	Illumina, Inc.		
	B30 *	WO 00/48000 A1	08-17-2000	Illumina, Inc.		

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	B31 *	WO 00/58516 A2	10-05-2000	Whitehead Inst. for Biomed. Res.		
	B32 *	WO 00/63437 A2	10-26-2000	Illumina, Inc.		
	B33 *	WO 00/71243 A1	11-30-2000	Illumina, Inc.		
	B34 *	WO 00/71992 A1	11-30-2000	Illumina, Inc.		
	B35 *	WO 00/71995 A2	11-30-2000	Illumina, Inc.		
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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	C1 *	ABEL, A.P., et al., "Fiber-optic evanescent wave biosensor for the detection of oligonucleotides," <i>Anal. Chem.</i> 68(17):2905-2912 (Sep. 1996).	
	C2	ANGEL, S.M., "Optrodes: Chemically Selective Fiber-Optic Sensors," <i>Spectroscopy</i> 2(4):38-47 (1987).	
	C3 *	ANON., "Fluorescent Microspheres," <i>Tech. Note 19</i> , Bangs Laboratories: Fishers, IN (Feb. 1997).	
	C4 *	ANON., "Molecular Luminescence Spectroscopy Methods and Applications, Part I," <i>Chemical Analysis</i> , vol. 77, Schulman (ed.), Wiley & Sons, Inc.: New York, NY (1985).	
	C5 *	ANON., <i>Microsphere Selection Guide</i> , Bangs Laboratories: Fishers, IN (Sep. 1998).	
	C6 *	BANGS, L.B., "Immunological Applications of Microspheres," <i>The Latex Course</i> , Bangs Laboratories: Carmel, IN (Apr. 1996).	
	C7 *	BARNARD, S.M., et al., "A Fibre-Optic Chemical Sensor with Discrete Sensing Sites," <i>Nature</i> 353:338-340 (Sep. 1991).	
	C8 *	CHEN, J., et al., "A Microsphere-Based Assay for Multiplexed Single Nucleotide Polymorphism Analysis Using Single Base Chain Extension," <i>Gen. Res.</i> 10(4):549-557 (Apr. 2000).	
	C9 *	CZARNIK, "Illuminating the SNP genomic code," <i>Mod. Drug Disc.</i> 1(2):49-55 (1998).	
	C10 *	DRMANAC, R., et al., "Prospects for a Miniaturized, Simplified and Frugal Human Genome Project," <i>Scientia Yugoslavica</i> 16(1-2):97-107 (1990).	
	C11 *	DRMANAC, R., et al., "Sequencing by Hybridization (SBH) with Oligonucleotide Probes as an Integral Approach for the Analysis of Complex Genomes," <i>Intl. J. Gen. Res.</i> 1(1):59-79 (1992).	
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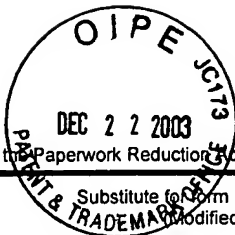
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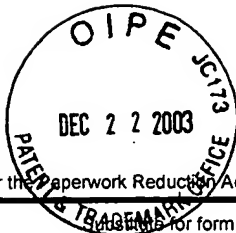
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁴
	C15	FREEMAN, T., et al., "Oxygen probe based on tetrakis(alkylamino)ethylene-Chemiluminescence," <i>Anal. Chem.</i> 53(1):98-102 (Jan. 1981).	
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			Filing Date	August 21, 2003	
			First Named Inventor	CHEE, Mark	
			Group Art Unit	Not Yet Assigned	
			Examiner Name	Not Yet Assigned	
Sheet	6	of	6	Attorney Docket Number	A-67498-2/RMS/DCF (469249-397)

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